

***H*-FACTOR AND *F*-FACTOR OF BUTTERFLY NETWORK**

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ABSTRACT

For an arbitrary graph G and a fixed graph H , an H -packing of G is a set of vertex-disjoint subgraphs of G , each isomorphic to H . An F -packing of G is a set of pairwise vertex-disjoint subgraphs of G , each isomorphic to a graph in the family F . In this paper, we obtain an H -packing of odd dimensional Butterfly network and its packing number. Also F -packing of even dimensional Butterfly network is obtained.

KEYWORDS: H -packing, binding diamonds, partition, F -packing.